

A

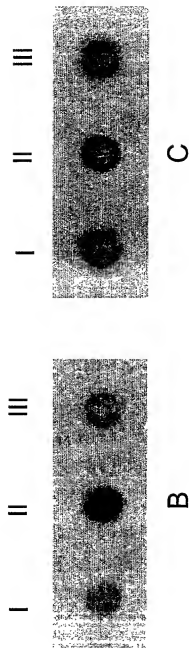


Fig. 2

Growth of Au on the surface of Fe_3O_4 nanoparticles

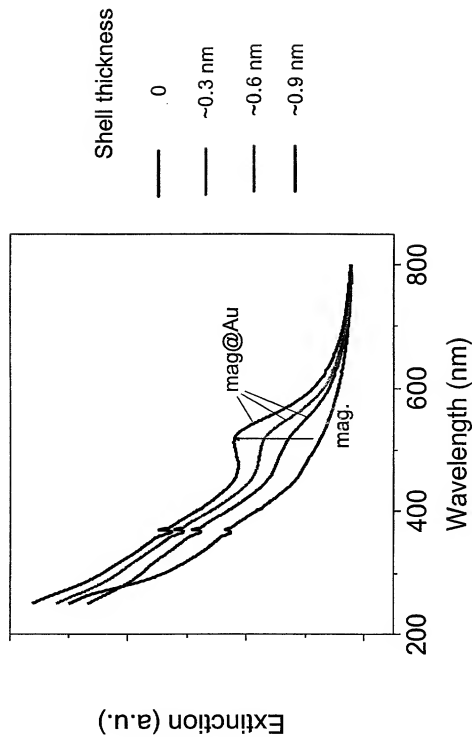


Fig. 4

Magnetic properties of gold coated Fe_3O_4 nanoparticles

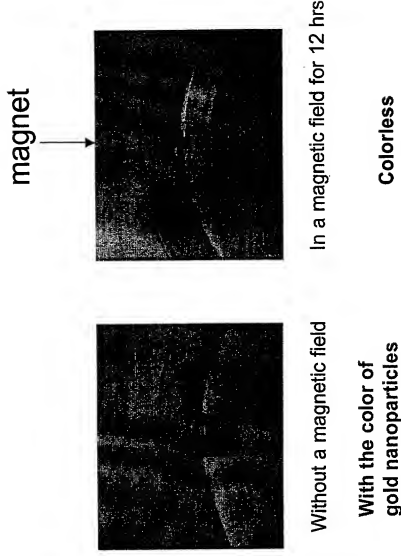
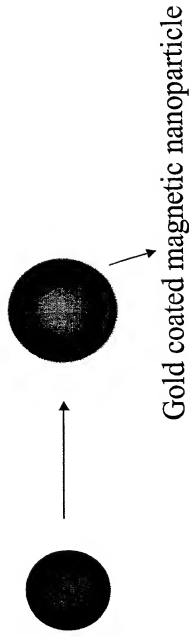


Fig. 5

Core-shell Approach to Magnetic Gold Nanoparticles



A: metal oxides magnetic cores: Fe_3O_4 , Co_3O_4

B: pure metal cores: Fe, Co, Ni...

C: alloy metal cores: FePt, FeAu

Fig. 6

Fig. 7

